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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/786,605

02/26/2004

Yoshiki Fujii

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EXAMINER

DESIRE, GREGORY M

ART UNIT

PAPER NUMBER

2624

MAIL DATE

DELIVERY MODE

08/08/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/786,605

Applicant(s)

FUJII ET AL.

Examiner

Gregory M. Desire

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 26 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 11/3/04 & 2/23/07.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application
- ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Yoshihiro (2002-183712).

Regarding claims 1, 2 and 8-9 Yoshihiro discloses,

Wherein component identifying information for identifying a component and information for identifying a specific substrate on which the component is mounted are set when processing of replacing or replenishing the component is executed in the component mounting step (note detailed description paragraph [0006] lines 2-4, examiner interprets inspecting/judging components carried out for inspected object as identifying a component and substrate on which component is mounted, wherein the process is not for a single inspection, thus allowing the replacing the components mounted) ;

Component identifying information and substrate identifying information set in the component mounting step are obtained in an inspecting step, a substrate corresponding to the substrate identifying information is specified among supplied substrates, and inspection on whether the correct component is mounted on the substrate is executed for the substrate (note detailed description paragraph [0007] lines 1-3, examiner

interprets detecting incorrect component on substrate as inspection on whether the correct component is mounted); and a

Step of specifying a component to be inspected in accordance with the component identifying information, a step of obtaining the image of the component to be inspected and extracting a character string from the image (detailed description paragraph [0009] lines 5-6), and a step of determining whether the component to be inspected is a correct component by comparing the extracted character string with a character string to be printed on the component to be inspected are executed (detailed description paragraph [0009] lines 4-8).

Regarding claim 3 Yoshihiro discloses,

Wherein the component identifying information is information showing a mounting position on a substrate of the component to be replaced or replenished and design data or substrate inspection data for a component to be inspected is referred to specify a component to be inspected in the step of specifying a component to be inspected (detailed description paragraph [0007] and [0008] shows specify the component inspected).

Regarding claim 4 Yoshihiro discloses,

Wherein the component identifying information is information showing the type of the component to be replaced or replenished and substrate design data or substrate inspection data for a component to be inspected is referred in accordance with the type

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of the component to specify a component to be inspected in the step of specifying a component to be inspected (detailed description paragraph [0007] and [0008] shows specify the component type inspected, i.e. IC part number).

Regarding claim 5,

Wherein the component identifying information is information for identifying a feeder to which the component to be replaced or replenished is supplied and mount data used in the component mounting step is referred in accordance with the feeder identifying information to specify a component to be inspected (paragraph [0006]).

Regarding claim 6,

Wherein inspection same as the inspection for a substrate specified as a substrate corresponding to the substrate identifying information is executed for a predetermined number of substrates supplied after the specified substrate in the mounted component inspecting method of claim 1 (note detailed description paragraph [0025], after a rejection manually placing another substrate for inspection is possible).

Regarding claims 7 and 11,

Wherein when a determination result that a predetermined number of substrates or more are correct components among the substrates specified as components to be inspected is obtained, an inspection result that correct components are mounted on a substrate to be inspected is output (note detailed description paragraph [0009 lines 8-

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11, examiner interprets the correct characters in agreement, specifically for IC part number, shows correct component mounted on a substrate).

Regarding claim 8,

Entering part enters component inspection data including the character string to be printed on each component on a substrate to be inspected (note paragraph [0010]).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory M. Desire whose telephone number is (571) 272-7449. The examiner can normally be reached on M-F (6:30-3:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eileen Lillis can be reached on (571) 272-6928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

G.D.  
August 4, 2007

GREGORY DESIRE  
PRIMARY EXAMINER

A handwritten signature in cursive script that reads "Gregory Desire".